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## **ABSTRACT**

The present invention relates to a member of the family of proteins known as ADAMTS proteins, the new member being designated ADAMTS-SI. The invention also relates to polynucleotides encoding ADAMTS-SI, antibodies to ADAMTS-SI, assays for studying the function of ADAMTS-SI, assays for determining agonists or antagonists of ADAMTS-SI, and to the use of ADAMTS-SI polypeptides or polynucleotides in diagnostic, biotherapeutic, or gene therapy methods.